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S/N 09/763,246

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Xie et al.	Examiner:	Hassan A. Phillips
Serial No.:	09/763,246	Group Art Unit:	2451
Filed:	February 20, 2001	Docket No.:	09548.1011USWO
Title:	METHOD FOR USING A WHOLE DIGIT CODE TO ASSIGN AN ADDRESS TO A COMPUTER		

Mail Stop: AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

DECLARATION UNDER 37 C.F.R. §1.132

Dear Sir:

I, Zhao LIN, hereby declare as follows.

I entered East China Normal University in September 1996, and received a Bachelor degree in July 2000 with a major in Photoelectron.

In September 2000, I joined China Telecom Corporation Limited Shanghai Research institute as a researcher, working in the area of network technology, especially in the area of next generation network.

I have reviewed and understood the invention of this application.

I hereby declare that a person of ordinary skill, at the time this application was filed, would have recognized that the "unique full digital code address (FDCA)" discussed in the specification of the present application "is adapted to replace IP address-domain name address coding solutions" as presently recited in claims 1 and 18. The reasons are discussed in detail below.

Based on the description in the Background of the Art, the Summary of the Invention and the Description of the Preferred Embodiment, it is clear to me 1) that the FDCA is adapted to replace IP address-domain name address coding solutions, and 2) that each FDCA is the real network address and is used on the network layer of the network architecture like an IP address in the Internet.

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For example, in the specification of the above identified patent application, it is described that "For the time being, there are three kinds of the address coding solutions currently in use internationally and domestically. On [One-sic] is IP address, which is constituted by four fields of the digits separating by the decimal points; the other one is the 'domain name', which is constituted normally by not more than five sets of the character string separating by the decimal points; and the last one is the 'Chinese domain name hierarchy system', which is constituted by three levels of the domain name separating by the decimal points and the slash. Although the above address coding solutions can assign each online computer one unique address, but they all have the shortcomings of the complexity, not unified and hard to remember or input." See the paragraph bridging pages 1 and 2 of the specification. It is also described that "The technical project to implement this invention utilizes the solution for assigning the address to the online computers in full digital code." See the first full paragraph from the bottom of page 2 of the specification.

For a supplementary explanation, I believe that a person of ordinary skill, at the time this application was filed, would have recognized: 1) that FDCA is a network address and can be used directly without further conversion to an IP address; and 2) that, in the example described in the paragraph bridging pages 3 and 4 of the specification, "008602162572047" will be processed as follows:

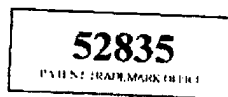
- if the router of the next hop of the destination address is located abroad, the router of the next hop will be the "0086" router;
- if the router of the next hop of the destination address is located domestically, the router of the next hop will be the "0086021" router;
- when the "0086021" router receives the packets, the "0086021" router will determine whether the address indicated by "62572047" is within the range of addresses that are administrated by the "0086021" router itself; and
- when the "0086021" router determines that "62572047" is within the administrated range of address, the router forwards the packets to the terminal with the address "008602162572047."

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As stated above, it is clear 1) that the FDCA is adapted to replace IP address-domain name address coding solutions, and 2) that each FDCA is the real network address and is used on the network layer of the network architecture like an IP address in the Internet.

I, the undersigned declarant, declare further under the penalty of perjury of the law of the United States of America that the foregoing is true and correct to be best of my information and belief.

Signed this October 19, 2009, at Shanghai, P.R. China.



Zhao LIN

Signature